Addition of Aromatic Amines and Phenyl Hydrazine to 2-Methyl-5-vinyl Pyridine

S/079/60/030/008/002/008
B004/B064

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State University)

SUBMITTED: July 15, 1959

Card 4/4

TERENT'YEV, P. B., Cand. Chem. Sci. (diss) "Investigation of Ethinyl Pyridines," Moscow, 1961, 13 pp (Instit. of Phys. Chem, Acad. of Sci., USSR) 120 copies (KL Supp 12-61, 257).

18810

S/080/61/034/009/010/016
D204/D305

AUTHORS: Rozenfel'd, I.L., Persiantsyeva, V.P., Terent'yev, P.B. and Polteva, M.N.

TITLE: Investigating the influence of chemical composition and structure of organic compounds on their ability to retard the corrosion process

PERIODICAL: Zhurnal prikladnoy khimii, v. 34, no. 9, 1961, 2047 - 2056

TEXT: This is report I from the series of papers on investigating the mechanism of protection of metals against corrosion by volatile inhibitors. The results of an investigation of the dependence of protective properties of various classes of compounds on their structure and the presence of the functional groups OH, NO_2, NH_2 and complex organic radicals, are reported. In order to carry out these investigations, accelerated methods were developed for testing the protective properties of the compounds, for determining

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Investigating the influence of ...

the pressures of the saturated vapors of volatile inhibitors and the electrochemical behavior of metals under thin films of electrolytes in an atmosphere of volatile inhibitors. The investigation of the protective properties of volatile inhibitors was carried out by imitating corrosion under natural conditions whereby alternate condensation and drying of electrolytes on metal surfaces takes place. The study was carried out in an atmosphere of 100 % relative humidity with 5 cycles of condensation of moisture on the specimens per day. Organic nitrous bases and their salts with weak organic and inorganic acids, complex esters of acids, and inorganic ammonium salts were studied. The protective properties of the compounds were considered to be satisfactory, if no observable corrosion products had formed after 10 days of accelerated tests. It was found that the protective properties of amine salts are determined not only by the radical and the functional group, and thus by the composition of the compound, but also by their structure, on which their adsorptive ability evidently depends. Complex esters of acids and weak aromatic amines cannot be

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Investigating the influence of ...

used as volatile inhibitors, since the former retard corrosion of steel only slightly and the latter not at all. The protective properties of volatile inhibitors are independent of the hydrogen ion concentration established in the moisture film after the latter is saturated with inhibitor vapors. There are 1 figure, 7 tables and 7 references: 4 Soviet-bloc and 3 non-Soviet-bloc. The references to the English-language publications read as follows: H.R. Backer, Ind. Eng. Ch., 46, 12, 2592, 1954; A. Wachter, T. Sky, N. Stillman, Corrosion, 7, 9, 284, 1951; W.D. Harki, D. Florence, J. Phys. Chem. 6, 847, 1938.

SUBMITTED: July 18, 1960

Card 3/3

18.8310

27345
S/080/61/034/009/011/016
D204/D305

AUTHORS: Rozenfeld, I.L., Polteva, M.N., Persiatsyeva, V.P., and Terent'yev, P.B.

TITLE: Pressure of saturated volatile inhibitor vapors

PERIODICAL: Zhurnal prikladnoy khimii, v. 34, no. 9, 1961, 2056 - 2061

TEXT: This is report II of a series of papers on investigating the mechanism of protection of metals against corrosion by volatile inhibitors. One of the important characteristics of volatile inhibitors is their saturated vapor pressure. Compounds having high vapor pressure are most effective. For the successful application of such inhibitors, the temperature dependence of the pressure of the saturated vapor must also be known. The inclination of the straigth line obtained by plotting negative logarithm of pressure of saturated vapors against 1/T enables the changes of pressure with temperature to be determined, and the temperature range in which an in-

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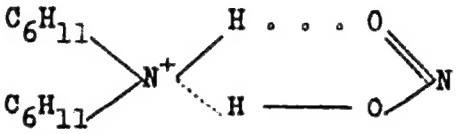
Pressure of saturated volatile ...

hibitor is effective to be defined. By means of the Knudsen method, the temperature dependence of the pressure of saturated vapors of the volatile inhibitors dicyclohexylamine nitrate and morpholene cinnamate was investigated. On the basis of this dependence, the value of the latent heat of sublimation for di-cyclohexylamine nitrate was calculated (25 Kcal/mol). From a comparison of the value of the latent heat of sublimation and the dipole moment, it is proposed that the structure of di-cyclohexylamine in the vapors is as follows:



There are 3 figures, 1 table and 10 references: 3 Soviet-bloc and 7 non-Soviet-bloc. The references to the 4 most recent English-language publications read as follows: E.G. Stroud, W.H.I. Vernon, J. Applied Chem., 2, 166, 1952; A. Wachter, T. Sky, N. Stillman,

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27345
S/080/61/034/009/011/016
D204/D305

Pressure of saturated volatile ...

Corrosion, 7, 9, 284, 1951; E.G. Stroud, W.H.I. Vernon, U.K. Pat. 691109, 1951; H. Patzelt, Corrosion, 9, 1, 19, 1953.

SUBMITTED: July 18, 1960

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Card 3/3

ROZENFEL'D, I.L.; PERSIANTSEVA, V.P.; KUZNETSOVA, M.M.; POLTEVA, M.N.; TERENT'YEV, P.B.

Electrochemical behavior of metals in the atmosphere of volatile inhibitors. Zhur.prikl.khim. 34 no.10:2239-2244 O '61. (MIRA 14:11)

(Metals) (Electrochemistry) (Inhibition (Chemistry))

TERENT'YEV, A.P.; [illegible], L. .; [illegible]GLEV, A.A.; TERENT'YEV, A.P.

Synthesis and some reactions of pyridylethinylcarbinols.
Dokl. AN SSSR 141 no.1:110-113 N '61. (MIRA 14:11)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
2. Chleny-korrespondent AN SSSR (for A.P.Terent'yev).
(Methanol)

ROZENFEID, I. L. [Rozenfel'd, I.L.]; PERSIANTEVA, V.P. [Persiantseva, V.P.]; TERENTIEV, P.B. [Terent'yev, P.B.]; POLTEVA, M.N.; KUZNETOVA, M.M. [Kuznetsova, M.M.]

Studies on the influence of chemical composition, structure and certain physicochemical properties of the organic compounds upon their capacity of braking the corrosion process. Analele climie 17 no.3:175-196 Jl-S '62.

KUDRIN, A.N.; KOST, A.N.; YERSHOV, V.V.; TROSHINA, A.Ye.; POLYAKOVA, N.B.; USPENSKIY, V.A.; TERENT'YEV, P.B.; YAKOVLEVA, I.A.

Pharmacology of new β-dialkylamino ketones. Farm. i toks. 25 no.4: 437-444 Jl-Ag '62. (MIRA 17:10)

1. Kafedra farmakologii (zav. - prof. A.N. Kudrin) Ryazanskogo meditsinskogo instituta imeni Pavlova i laboratoriya spetsial'nogo organicheskogo sinteza (zav. - chlen-korrespondent AN SSSR A.P. Terent'yev) Moskovskogo gosudarstvennogo universiteta imeni Lomonosova.

KOST, A.N.; TERENT'YEV, P.B.; SHCHEGOLEV, A.A.

Synthesis and some conversions of ethynylcarbonols of the pyridine series. Zhur.ob.khim. 32 no.8:2606-2612 Ag '62. (MIRA 15:9)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.
(Pyridine) (Alcohols)

ROZENFELD, I.L., PERSIANTSEVA, V.P., TERENTIYEV, P.B.

"Mechanism of metal protection from corrosion with the aid of volatile inhibition."

Report submitted to the Second Intl. Congress on Corrosion of Metals New York City 11-15 March 1963

INSTITUTE OF PHYSICAL CHEMISTRY, MOSCOW

TERENT'YEV, P.B.

Conference on Chemistry, Technology, and Uses of Quinoline and Pyridine Derivatives. Zhur. VKHO 8 no.3:351-352 '63. (MIRA 16:8)

KOST, A.N., doktor khimicheskikh nauk; TERENT'YEV, P.B., kand. khimicheskikh nauk

Smell as protection. Nauka i zhizn' 30 no.4:26-28 Ap '63. (MIRA 16:7)

1. Laboratoriya spetsial'nogo organicheskogo sinteza khimicheskogo fakul'teta Moskovskogo gosudarstvennogo universiteta.
(Insect baits and repellents)

KOST, A.N.; TERENT'YEV, P.B.; CHERNOVA, M.A.

Activity of the double bond of substituted 2 vinylpyridines.
Vest. Mosk. un. Ser. 2 Khim. 19 no.2:59-63 Mr-Ap'64
(MIRA 17:6)

1. Kafedra organicheskoy khimii Moskovskogo universiteta.

KOST, A.N.; TERENT'YEV, P.B.; MOSHNINSKAYA, I.V.

Reduction of the triple bond of ethynylpyridines by a nickel-aluminum alloy in an alkaline medium. Zhur. ob. khim. 34 no.9: 3035-3037 S '64. (MIRA 17:11)

1. Moskovskiy gosudarstvennyy universitet.

KOST, A.N.; TALALAYEV, A.P., GOLOVIEVA, I.V.

Synthesis of 6-methylpicolinic acid. Vest. Mosk. [illegible] Ser. 2, Khim. 19 no.6:66-69 N-D '64. (MIRA 18:2)

1. Kafedra organicheskoy khimii Moskovskogo universiteta.

A L 9740-66 ENT(1)/EWA(j)/EWA(b)-2 RO

ACC NR: AP5026426 SOURCE CODE: UR/0153/65/008/004/0615/0618

AUTHOR: Kost, A. N.; Terent'yev, P. B.

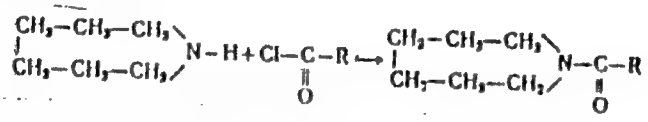
ORG: Department of Organic Chemistry, Moscow State University im. M. V. Lomonosov (Kafedra organicheskoy khimii, Moskovskiy gosudarstvennyy universitet)

TITLE: Insect repellents from hexamethylenimine

SOURCE: IVUZ. Khimiya i khimicheskaya tekhnologiya, v. 8, no. 4, 1965, 615-618

TOPIC TAGS: insect control, organic imine compound, organic amide, toxicology, insecticide

ABSTRACT: The authors studied a series of amides obtained by acylation of hexamethylenimine. Amides of fatty acids were obtained by treating excess hexamethylenimine with the corresponding acid chloride in benzene:



Benzoylation was carried out with benzoyl chloride. The compounds had a strong repellent effect on the rat flea. The compound with the most stable repellent action was N, N-hexamethylenebenzamide or N-benzoylhexamethylenimine (also termed hexamide or benzimine).

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L 9740-66

ACC NR: AP5026426

Tests showed that it is a good agent for protecting man and animals against blood-sucking flies. The procedures employed in the synthesis of N-acetylhexamethylenimine, N-propionylhexamethylenimine, N-butyrylhexamethylenimine, N-(β-butoxypropionyl) hexamethylenimine, and N-benzoylhexamethylenimine are briefly described. The toxicological tests were conducted at TsNIDI (V. A. Sazonova, Senior Scientific Collaborator), VMOLA im. S. M. Kirov (under the supervision of Prof. G. S. Pervomayskiy), and IMPITM im. Martsinovskiy (Senior Scientific Collaborator V. F. Gladkikh). Orig. art. has: 2 figures and 2 tables.

SUB CODE: 07,06 / SUBM DATE: 12Sep63 / ORIG REF: 012 / OTH REF: 005

Card 2/2

KOST, A.N.; TERENT'YEV, P.B.; MOSHENTSEVA, L.V.

2-Methyl-5-ethynylpyridine. Metod. poluch. khim. reak. i prepar. no.11:73-76 '64. (MIRA 18:12)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova. Submitted April, 1964.

KOST, A.N.; TERENT'YEV, P.B.

Insect repellents with a hexamethylenimine base. Izv.vys.ucheb. zav.; khim.i khim.tekh. 8 no.4:615-618 '65.

(MIRA 18:11)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova, kafedra organicheskoy khimii.

KOST, A.N.; TERENT'YEV, P.B.; GOLOVNEVA, L.A.

5-Ethylpicolinic acid. Metod. poluch. khim. reak. i prepar. no.11:110-113 '64. (MIRA 18:12)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova. Submitted April, 1964.

[redacted], P. E.: (Lecturer, Candidate of Veterinary Sciences)

Fixation table for roentgenologicas examinations of small animals.

Department of Roentgenology and Physiotheraphy of the Leningrad Institute for the Advancement of Veterinarians, and the Department of Roentgenology of the Leningrad Veterinary Institute

SO: Collection of Scientific Works, Leningrad Inst. for Advancement of Veterinarians, Ministry of Agriculture USSR. State Agricultural Publishing House, 1950.

TARSHIS, Pavel V.

A small laboratory manual of vertebrate zoology 1947. 483 p.

CU DA MH NIC

TERENT'YEV, P. V.

TERENT'YEV, P. V. "The influence of the glacial period in geographical variation", Nauch. byulleten' Leningr. gos. un-ta im. Zhdanova, No. 21, 1948, p. 22-24, - Bibliog: 11 items.

SO: U-3042, 11 March 53, (Letopis, 'Zhurnal 'n kh Statey, No.7 1949).

TERENT'YEV, P.V., professor.

Effect of the Glacial epoch on geographic variability. Nauch.biul. Len.un. no.21:22-24 '48. (MLRA 10:3)

1. Kafedra zoologii pozvonochnykh.
(Glacial epoch) (Zoogeography)

TERENT'YEV, P.V., professor.

Interrelationship of pelodyte; concerning the origin of the Caucasian fauna. Nauch.biul.Len.un. no.23:31-35 '49. (MLRA 10:4)

1. Kafedra zoologii pozvonochnykh.
(Caucasus--Frogs)

TERENTIYEV, P.V., professor.

Interrelations in the Genus Bombina. Nauch. biul.Len.un. no.24:25-32 '49. (MLRA 10:3)

(Frogs)

*

Rabbits Moskva, Sovetskaia nauka, 1952. 363 p. Laboratornye zhivotnye (53-28388)

QL737.R6T46

PAVLOVSKIY, Ye.N., akademik, redaktor; VINOGRADOV, B.S., redaktor;
ARNOL'DI, L.V.; BEY-BIYENKO, G.Ya.; BORKHSENIUS, N.S.; VINOGRADOV, B.S.;
GUTSEVICH, A.V.; KIRICHENKO, A.N.; KIR'YANOVA, Ye.S.; KOZHANCHIKOV, I.V.;
LEPNEVA, S.G.; LIKHAREV, I.M.; MALEVICH, I.I.; NOVIKOV, G.A.; POPOV, V.V.;
POPOVA, A.N.; SOCHAVA, V.B.; STARK, V.N.; TERENT'YEV, P.V.; KHARITONOV,
D.Ye.; CHERNOV, V.B.; SHAPOSHNIKOV, G.Kh.; SHTAKEL'BERG, A.A.; YUDIN, K.A.

[Animal life of the U.S.S.R.] Zhivotnyi mir SSSR. Vol.4 [Forest zone]
Lesnaia zona. Moskva, Izd-vo Akademii nauk SSSR, 1953. 737 p. (MLRA 7:3)
(Forest fauna) (Zoology)

TERENT'YEV, Pavel V.

[Practical work in the zoology of vertebrates] Praktikum po zoologii pozvonochnykh. Moskva, "Sovetskaia nauka", 1956. 516 p. (MLRA 10:4)
(Vertebrates)

USSR/General Division - History. Classics. Personalities. A-2

Abs Jour : Ref Zhur - Biologiya, No 1, 1957, 46.

Author : P.V. Terente'yev
Inst :
Title : In Menory of Leonid Mikhaylovich Shul'pin

Orig Pub : Vestn. Leningr. un-ta, 1956, No 9, 80-84.

Abst : An article devoted to the 50th year since the birth of the Soviet Ornithologist Shul'pin (1905-1942) who perished during the Great Patriotic War. After having completed his candidacy at the Zoological Museum of the Academy of Sciences USSR, Shul'pin worked at the Kazakh Affiliate of the Academy of Sciences USSR and taught at the Leningrad University. While in the Far East for the purpose of studying the birds of the Primorskiy and Ussurin Krays and the Lower Amur Area, he discovered a number of new species of fauna, uncovered many relics, and gathered a valuable collection of birds. Shul'pin conducted

Card 1/2

USSR/General Division - History. Classics. Personalities. A-2

Abs Jour : Ref Zhur - Biologiya, No 1, 1957, 46.

also ornithological investigations in Altay, Pribalkhash areas, in the national forests of Alma-Atinsk, Aksu-Dzhebagly, and in Central Kara-Kumakh. He published 22 works of which the most important are "Ecological Sketch of Birds of the Alma-Atinsk National Forest" (1931) "Industrial and Hunting Birds of the Primor'ye" (1936), "Ornithology" (1940).
A list of published works by Shul'pin is given.

Card 2/2

TERENT'YEV, P.V.

Applicability of the concept of subspecies in studying intraspecific variability [with summary in English]. Vest. LGU 12 no.21:75-81 '57.
(Zoology--Variation) (MIRA 10:12)

TERENT'YEV, P.V.

Materials on the history of Russian herpetology. Trudy Inst.ist. est.i tekh. 16:97-122 '57. (MIRA 10:10)
(Reptiles)

TERENT'EV, P.V.

USSR / General Biology. Evolution. B-6

Abs Jour: Ref Zhur-Biol., No 18, 1958, 81102.

Author : Terent'ev, P. V.
Inst : Not given.
Title : The Applicability of the Intra-Species Variability.

Orig Pub: Vestn. Leningr. un-ta, 1957, No 21, 75-81.

Abstract: The idea of existence of the geographical subspecies originated, on the author's assertion, with the systematizers, when studying a small number of species specimens, taken at random from different localities. Considerable differences among the studied individuals permitted their examination in the capacity of representatives of alleged existing, in different geographical regions, individualized groups - the sub-

Card 1/3

USSR / General Biology. Evolution. B-6

Abs Jour: Ref Zhur-Biol., No 18, 1958, 81102.

Abstract: resent accidental combinations, snatched out from the general intra-species variability. It was proposed to follow Mayer, in order to distinquish three levels of systematized investigation. In the first stage, when species were described and named, the conception of subspecies did not exist. It originated and proved to be useful on this level, when the incorporation of the species into a natural system of lower and higher categories was created. On the contemporary level, characterized by the analysis of intra-species variability and the study of its role in evolution, the conception of subspecies once more becomes not only unnecessary, but harmful, because it cannot assist in revealing the true interrelation of the variability inside the species.

Card 3/3

TERENT'YEV, P.V.

"Studies on the biology of amphibians" by A.G. Bannikov and M.N. Denisova. Reviewed by P.V. Terent'ev. Zool. zhur. 37 no.2:313-315 F '58. (MIRA 11:3)

(Amphibia)
(Bannikov, A.G.) (Denisova, M.N.)

TERENT'YEV, P.V.

Riches of the island fauna. Nauch.dokl.vys.shkoly; biol.nauki. no.1:34-38 '59. (MIRA 12:10)

1. Rekomendovana kafedroy zoologii pozvonochnykh Leningradskogo gosudarstvennogo universiteta im. A.A.Zhdanova.
(Zoology--Ecology) (Islands)

TERENT'YEV, P.V.; LINNIK, Yu.V.

Conference on the use of mathematical methods in biology. Teor.veroiat. i ee prim. 4 no.1:114-116 '59. (MIRA 12:3)
(Biomathematics--Congresses)

TERENT'YEV, P.V.

First biometric conference. Vest.LGU 14 no.9:99-101 '59. (MIRA 12:5)
(BIOMETRY--CONGRESSES)

TERENT'YEV, P.V.

Method of correlation pleiads. Vest.LGU 14 no.9:137-141 '59. (MIRA 12:5)
(BIOMETRY) (CORRELATION (STATISTICS))

TERENT'YEV, P.V.

First biometric conference. Zool.zhur. 38 no.1:151-152 Ja '59. (MIRA 13:4)
(Biometry--Congresses)

TERENT'YEV, P.V., prof., otv.red.; PETROVICHEVA, O.L., red.; ZHUKOVA, Ye.G., tekhn.red.

[Application of mathematical methods to biology] Primenenie matematicheskikh metodov v biologii. Leningrad, 1960. 227 p. (MIRA 13:11)

1. Leningrad. Universitet.
(BIOMETRY)

TEREN'T'YEV, P. V.

Information pertaining to the Second Conference on the Use of Mathematical Methods in Biology. Teor. veroiat. i ee prim. 5 no.1:134-136 '60. (MIRA 13:10)
(Mathematics—Congresses)

TERENT'YEV, P.V.

Biometric study of Shelkovnikov's tree frog. Vest LGU 15 no.21: 119-123 '60. (MIRA 14:4)
(Tree toads) (Biometry)

TERENT'EV, P.V.

Valuable contribution to the zoological science ("Pogonophora" by A.V. Ivanov. Reviewed by P.V.Terent'ev). Vest LGU 16 no.3: 150-151 '61. (MIRA 14:2)
(Ivanov, A.V.) (Pogonophora)

TERENT'YEV, P.V.

Second biometric conference. Zool.zhur. 39 no.4:633-634 Ap '60.
(MIRA 13:11)

(Biometry—Congresses)

TERENT'YEV, P.V.

Some quantitative characteristics of frog eggs and tadpoles. Zool. zhur. 39 no.5:779-781 My '60. (MIRA 13:10)

1. Department of Vertebrate Zoology, Leningrad State University. (Frogs)

TERENT'YEV, Pavel Viktorovich, prof.; BANNIKOV, A.G., prof., red.; PARSADANOVA, K.G., red.izd-va; GRIGORCHUK, L.A., tekhn.red.

[Herpetology; the study of amphibians and reptiles] Gerpetologiia; uchenie o zemnovodnykh i presmykaiushchikhsia. Moskva, Gos.izd-vo "Vysshaia shkola," 1961. 334 p. (MIRA 14:4)

(Herpetology)

TERENT'YEV, P.V.

Third Biometric Conference. Zool. zhur. 40 no.9:1433-1434 S '61. (MIRA 14:8)

(Biometry--Congresses)

TERENT'YEV, P.V.

Microclines as a form of adaptation. Trudy Len. ob-va est. 72 no.1:46-48 '61. (MIRA 15:3)

(Adaptation (Biology))

TERENT'YEV, P.V.

Variability of the shell of the mollusk Limnea stagnalis L. Trudy Len. ob-va est. 72 no.1:96-97 '61. (MIRA 15:3)
(Gastropoda) (Zoology--Variation)

TERENT'YEV, P. V.

Nature of the geographical variability of green frogs. Trudy PBI no.19:98-121 '62. (MIRA 16:1)

1. Laboratoriya zoologii pozvonochnykh Petergofskogo biologicheskogo instituta.

(Frogs) (Zoology—Variation)

TERENT'YEV, P. V. (Leningrad)

"Experience with Teaching Biometry at LGU."

report presented at the 3rd Conference on the use of Mathematics in Biology, Leningrad University, [redacted] 23-28 Jan 1961.

(Primeneniye matematicheskikh Metodov v Biologii. II, Leningrad, 1963 pp. 5-11

(~~Leningrad State Univ~~)

TERENT'YEV, P.V.

Third Conference on the application of mathematics in biology. Prim. mat. metod. v biol. no.2:5-11 '63.

Teaching biometry at the Leningrad University. 12-17
(MIRA 16:11)

TERENT'YEV, P.V.

Which "grass frog" lives in the Far East? Vest. LGU 18 no.9: 164-168 '63. (MIRA 16:6)
(Soviet Far East--Frogs)

TERENT'YEV, P.V.

Use of the analysis of variance in determining the qualitative abundance of terrestrial vertebrates in the U.S.S.R. Vest. LGU 18 no.21:19-26 '63 (MIRA 16:12)

TERENT'YEV, P.V.

Use of the iteration method for quantitative animal census. Prim. mat. metod. v biol. no.3:105-110 '64. (MIRA 17:11)

1. Leningradskiy universitet.

TERENT'YEV, P.V., doktor biolog. nauk

Current problems facing Soviet zoologists; session of the Scientific Council in Leningrad. Vest. AN SSSR 35 no.9: 110-113 '65. (MIRA 18:9)

TERENT'YEV, P.V.; MAMAYEV, B.M.

Brief news and information. Zool.zhur. 44 no.8:1286-1288 '65.
(MIRA 18:11)

ACC NR: AM5010314 Monograph UR/

Smirnov, Sergey Mikhaylovich; Terent'yev, Pavel Vasil'yevich

High-voltage pulse generators (Generatory impul'sov vysokogo napryazheniya) Moscow, Izd-vo "Energiya," 1964. 0238 p. illus., biblio. 6,500 copies printed

TOPIC TAGS: pulse generator, electric engineering, pulse shape, electronic circuit, resistor, capacitor, test, test method

PURPOSE AND COVERAGE: This book describes methods of analysis and synthesis of discharge circuits by the transient processes of a generator taking into account its self inductance and the inductance of the test element. Damping factors of oscillation at pulse fronts and tail ends are admitted as additional shape characteristics of third and fourth order pulses, and nomographs and tables of pulse shape parameters based on analysis and on technical specifications are included. Experimental results of the charging process with rectified voltage, methods for calculating resistances of charging and discharging circuits of varied design, and a method for controlling discharge circuit tuning to a given pulse shape by experimental

UDC: 621.37.3

Card 1/3

ACC NR: AM5010314

frequency characteristics are also included. The book is intended for engineers and technical personnel concerned with the design and operation of high-voltage pulse generators, as well as for students at institutes offering courses in electrical engineering. The authors thank Prof. L.I.Sirotinskiy for his interest in this work and for valuable comments on the manuscript, and Docent G.M.Goncharenko for editing the manuscript.

TABLE OF CONTENTS [abridged]:

Card 2/3

ACC NR: AM5010314

SUB CODE 14,20,09 SUBM DATE: 31Oct64 ORIG REF: 032 OTH REF: 027

Card 3/3

105-58-6-22/33

AUTHOR: Terent'yev, P. V.

TITLE: A Method for Computing Self-inductance in the Discharge Circuit of a Pulsed-Voltage Generator (Metod rascheta sobstvennoy induktivnosti razryadnoy tsepi generatora impul'snykh napryazheniy)

PERIODICAL: Elektrichestvo, 1958, Nr 6, pp. 82-83 (USSR)

ABSTRACT: A method for computing the inductance (self-inductivity) in complicated configurations of the discharge circuit is replaced by a mathematical circuit diagram. The formulae necessary for the computation are given and the results of the computation of a certain pulsed-voltage-generator are written down. The complete inductance L amounted to 41,7 μH. By checking by means of oscillographing of the oscillation-process L = 41,8 μH was obtained. Measurements by means of a special bridge yielded 43,0 μH. The method of computation given here is recommended for pulsed-voltage-generators the configuration of which is similar to a spiral with the diameter and pitch of from 1,5 to 6 m. There are 2 figures and 2 references, which are Soviet.

Card 1/2

A Method for Computing Self-inductance in the Discharge Circuit of a Pulsed-Voltage Generator 105-58-6-22/33

ASSOCIATION: Vsesoyuznyy elektrotekhnicheskiy institut im. Lenina (All-Union Institute for Electrical Engineering imeni Lenin)

SUBMITTED: April 24, 1957

1. Pulse generators--Circuits 2. Electric circuits--Properties
3. Inductance--Mathematical analysis

Card 2/2

SMIRNOV, Sergey Mikhaylovich; TERENT'YEV, Pavel Vasil'yevich; GONCHARENKO, G.M., red.

[High-voltage pulse generators] Generatory impul'sov vysokogo napriazheniia. Moskva, Energiia, 1964. 238 p. (MIRA 17:12)

[illegible]; [illegible], V.A.; SHAGIGALLIN, R.R.; TERENT'YEV, P.B.; [illegible]

Electronic and vibration spectra of anils of o-hydroxyaldehydes. Zhur. fiz. khim. 38 no.7:1718-1727 Jl '64. (MIRA 18:3)

1. Rostovskiy gosudarstvennyy universitet.

TERENT'YEV, S.F.

Wages of workers during the period of repairs. Sakh. prom. 31 no.4: 44 Ap '57. (MLRA 10:6)

1. Taldy-Kurganskiy sakharnyy zavod. (Wages)

TERENTYEV

137-58-1-605

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 95 (USSR)

AUTHOR: Terent'yev, S. G.

TITLE: Experience in the Operation of the Section Mill at the Red October Works (Opyt raboty sortoprokatnykh stanov metallurgicheskogo zavoda "Krasnyy Oktyabr'")

PERIODICAL: Tr. Nauchno-tekhn. o-va chernoy metallurgii, 1956, Vol 10, pp 410-419

ABSTRACT: Problems of the technology of section production at the Red October Works are examined. Improvement in the grooving of the section mill rolls was in the direction of choosing the most rational system of grooving under the conditions obtaining at the given plant that would assure the desired quality of the rolled products, ease of adjustment and functioning of the mills, and the possiblity of selecting optimum reductions for each pass. Much attention is given to increasing the endurance of the rolls, to perfecting the manipulator fittings of the mills and in introducing progressive methods of work. In order to expand the production of sections and to increase the quality thereof it is necessary to improve the soaking of the billets

Card 1/2

Experience in the Operation of the Section Mill (cont.)

and blooms and to speed up the work of the soaking furnaces (by automation of the heat processes, employment of the heat of waste gases, and mechanization of labor-consuming processes), to increase the productivity and accuracy of mill function (by mechanizing the mills, improving technology, perfecting grooving, etc.) and to improve the quality of the adjustment operation. See RzhMet, 1957, Nr 12, 22805.

V.D.

1. Rolling mills--Revision 2. Rolling mills--Automation

TERENT'YEV, S.G.

130-8-11/20

AUTHOR: Terent'yev, S.G., Chief Calibrator

TITLE: Adoption of a Lightened Section for Wheel Rims (Osvoyeniye oblegchennogo profilya bortovogo kol'tsa)

PERIODICAL: Metallurg, 1957, No.8, pp. 28 - 30 (USSR).

ABSTRACT: The author describes how the suggestion of the Gor'kiy Automobile Works (Gor'kovskiy Avtozavod) for rolling a lightened section for wheel rims was put into effect. A variant of the section with a bent arm was adopted (Fig.1), as being the simplest and requiring fewest passes to roll. The new section is said to be 20-22% lighter than the old, with the same dimensions. The author discusses pass design and gives the final forms, dimensions and installations of the passes (Fig.3). A 10-ton experimental batch was rolled with billet weight reduced by 20% (to 80 kg) because of insufficient length of cooler, and the author deals briefly with the filling of passes by the metal and with mill productivity. The latter is 20% less with the lightened profile, the difference being attributed to the difference in cross-section.
There are 4 figures.

ASSOCIATION: "Krasnyy Oktyabr'" Works (Zavod "Krasnyy Oktyabr'")

AVAILABLE: Library of Congress.

Card 1/1

AUTHORS: Terent'yev, S.G., Engineer SOV/133-59-1-14/23

TITLE: Introduction of Rolling Shaped Profiles from Stainless Steel (Osvoyeniye nerzhaveyushchikh fasonnykh profiley)

PERIODICAL: Stal', 1959, Nr 1, pp 64 - 67 (USSR)

ABSTRACT: The design of roll passes for rolling profiles of the channel beam type (PS-719-A, Figure 1 and PS-723-A - Figure 2) from stainless steel 1Kh18N9T on a three-roll mill 450 of a linear type, powered by a steam enginer (800 HP) from billets 100 x 100 mm is described. It is pointed out that profiles of the channel-beam type from stainless steel are more difficult to roll than from carbon steel due to a decreased ability of stainless steel to cutting, bending off flanges and filling up of angles.. The difficulty increases further if the metal is insufficiently or non-uniformly heated. In designing roll passes, it should be aimed not to a minimum number of shaping passes but to steady and uniform changes in shape. There are 4 figures and 1 table.

Cardi/1

SHEPEL', L.T., inzh.; TERENT'YEV, S.G., inzh.; ANTONOV, P.I., inzh.

Application of automatic hard facing of rolls on the 750 mill.
Stal' 22 no.3:256-257 Mr '62. (MIRA 15:3)

1. Zavod "Krasnyy Oktyabr'".
(Rolls (Iron mills)) (Hard facing)

GUR'YEV, A.V., kand.tekhn.nauk; GEDBERG, M.G.; TERENT'YEV, S.G., inzh.; SHEPEL', L.T.

Causes of certain defects in the rolls used for cold rolling. Stal' 23 no.5:438-440 My '63. (MIRA 16:5)

1. Zavod "Krasnyy Oktyabr'".
(Rolls (Iron mills)--Defects)

TERENT'YEV, S.M.

Correct the output of mine surveying instruments; letter to the editor. Gor. zhur. no.8:80 Ag 63. (MIRA 16:9)

1. Glavnyy markshcyder Tekeliyskogo svintsovo-tsinkovogo kombinata.
(Surveying—Instruments)

TERENT'YEV, S.N.

"Kama" electric sprayer. Zashch.rast.ot vred.i bol. 5 no.2:15 F '60. (MIRA 15:12)

1. Starshiy agronom Abkhazskoy karantinnoy inspektsii.
(Spraying and dusting equipment)

MITROFANOV, P. I.; TERENT'YEV, S. N.

Emulsifiers for phosphorus organic poisons. Zashch. rast. ot vred. i bol. 5 no.5:40-41 My '60. (MIRA 16:1)

1. Abkhazskaya karantinnaya laboratoriya.

(Plants, Effect of chemicals on)
(Phosphorus organic compounds)

MITROFANOV, P.I., kand.sel'skokhoz.nauk; TERENT'YEV, S.N.

Phosphamide, tedion, and kelthane in the protection of citrus fruits. Zashch. rast. ot vred. i bol. 6 no.8:29-30 Ag '61. (MIRA 15:12)

1. Abkhazskaya toksikologicheskaya laboratoriya Vsesoyuznogo instituta zashchity rasteniy i Abkhazskaya karantinnaya laboratoriya.

(Georgia--Citrus fruits--Diseases and pests)
(Insecticides)

ADAMIYA, G.L.; TERENT'YEV, S.N.

Brief information. Zashch. rast. ot vred. i bol. 8 no.5:56-57 My '63. (MIRA 16:9)

1. Upravleniye proizvodstva i zagotovok sel'skokhozyaystvennykh produktov Abkhazskoy ASSR i Abkhazskaya karantinnaya laboratoriya.
(Plants, Protection of)

MITROFANOV, P.I.; TERENT'YEV, S.K.

Moist disinfection of cuttings. Zashch. rast. ot vred. i bol. 9 no.10:47-48 '64 (MIRA 18:1)

1. Zaveduyushchiy Abkhazskoy toksikologicheskoy laboratoriyey Vsesoyuznogo instituta zashchity rasteniy (for Mitrofanov). 2. Zaveduyushchiy toksikologicheskim otdelom Abkhazskoy karantinnoy laboratorii (for Terent'yev).

PHASE I BOOK EXPLOITATION SOV/6389

Terent'yev, Sergey Nikolayevich, and Vitaliy Filippovich Kartavykh

Triodnyye peredatchiki detsimetrovykh voln (Triode Microwave Transmitters). Kiyev, Gostekhizdat USSR, 1962. 345 p. 8500 copies printed.

Ed.: L. O. Polyanskaya; Tech. Ed.: S. M. Matusevich.

PURPOSE: This book is intended for engineers and technicians. It may also be useful to students specializing in radio engineering

COVERAGE: The calculation and design of separately excited and self-excited vacuum-tube generators, oscillatory circuits, and feedback elements, and the problems of matching separate stages to their loads are discussed, as well as operating conditions of the AM and FM generators described. New sources of materials were used extensively by the authors in the compilation of this book. The participation of the following persons, namely

Card 1/8

Triode Microwave Transmitters SOV/6389

M. S. Neyman, S. I. Yevtyanov, A. B. Ivanov, L. N. Sosnovkin, G. S. Ramm, I. D. Denisov, S. M. Gerasimov, D. P. Linde, and others, is acknowledged. There are 12 references, all Soviet.

TABLE OF CONTENTS

Card 2/8

VASIL'YEV,P.; KOVALEV, V.; TERENT'YEV, V.

The first outer-space expedition; medical and biological studies.
Av. i kosm. 47 no.6:22-26 Je '65. (MIRA 18:5)

1. [illegible] V. A., Prof., [illegible]

2. USSR (600)

4. Nervous system

7. Role of the nervous system in immunogenesis and the new principle of vaccinati n by inactivated microbe culture. Trudy, Vses. inst. eksp. vet. 19 no. 1, 195[illegible].

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Uncl.

TERENT'YEV, V.A., inzh.; AKHRAP, S.K., inzh.

Concrete work in construction of the Bratsk Hydroelectric Power Station. Gidr. stroi. 33 no.11:5-12 N '62. (MIRA 16:1)
(Bratsk Hydroelectric Power Station--Concrete construction)

TERENT'YEV, V.A.; SHABUROV, M.A.; IVANOVA, A.N.

Infrared spectral method for determining α-methylstyrene, dimethylphenylcarbinol and isopropylbenzene. Neftekhimiia 1 no.4:567-572 Jl-Ag '61. (MIRA 16:11)

1. Nauchno-issledovatel'skiy institut sinteticheskikh spirtov i organicheskikh produktov, Novo-Kuybyshevskiy filial.

TERENT'YEV, V.A.; SHABUROV, M.A.

Determination of tertiary amyl alcohol in the pentane-amylene fraction from infrared spectra. Zav.lab. 29 no.8:940-941 '63. (MIRA 16:9)

1. Novokuybyshevskiy filial nauchno-issledovatel'skogo instituta sinteticheskikh spirtov i organicheskikh produktov.

(Tert-amyl alcohol)
(Spectrum, Infrared)

TERENT'YEV, V.A.; SHABUROV, M.A.; IVANOVA, A.N.

Determination of dimethylphenylcarbinol in α-methylstyrene from infrared spectra. Zav. lab. 29 no.9:1082-1083 '63. (MIRA 17:1)

1. Novokuybyshevskiy filial Nauchno-issledovatel'skogo instituta sinteticheskikh spirtov i organicheskikh produktov.

TERENT'YEV, V.A.; ANTONOVSKIY, V.L.

Infrared spectra and hydrogen bonding of cyclohexanone peroxides. Zhur. ob. khim. 34 no. 5:1513-1522 My '64. (MIRA 17:7)

1. Nauchno-issledovatel'skiy institut sinteticheskikh spirtov i organicheskikh produktov.

TERENT'YEV, V.A.; ANTONOVSKIY, V.I.

Formation of peroxides in the reaction of hydroperoxides with aldehydes and carboxylic acids. Zhur. ob. khim. 34 no.12: (MIRA 18:1)
4117 D '64

1. Nauchno-issledovatel'skiy institut sinteticheskikh spirtov i organicheskikh produktov, Novokuybyshevsk.

TERENT'YEV, V.A.; STOLYAROV, A.A.

Determination of 1,3- and 3,3-diacetoxypropenes from infrared spectra. Zav. lab. 31 no.2:176-177 '65. (MIRA 18:7)

1. Novokuybyshevskiy filial Nauchno-issledovatel'skogo instituta sinteticheskikh spirtov i organicheskikh produktov.

ANTONOVSKIY, V.I.; TERENT'YEV, V.A.

Behavior of ketone peroxides in solution. Part 1. Zhur. fiz. khim. 39 no.3:621-627 Mr '65. (MIRA 18:7)

1. Nauchno-issledovatel'skiy institut sinteticheskikh spirtov i organicheskikh produktov., Novokuybyshevsk.

ACC NR: AR6017239 SOURCE CODE: UR/0058/65/000/012/D037/D037

AUTHOR: Antonovskiy, V. L.; Terent'yev, V. A.

46
B

TITLE: Infrared spectra and hydrogen bond of peroxides of cyclohexanone

SOURCE: Ref. zh. Fizika, Abs. 12D312

REF SOURCE: Tr. Komis. po spektroskopii. AN SSSR, t. 3, vyp. 1, 1964, 185-196

TOPIC TAGS: ir spectrum, hydrogen bonding, peroxide, cyclohexanone, peroxy organic acid

ABSTRACT: The authors investigated the infrared spectra of three peroxides of cyclohexanone: 1,1'-dioxy-dicyclohexyl peroxide (I), 1-oxy-1'-dihydroperoxy-dicyclohexyl peroxide (II), and 1,1'-dihydroperoxy-dicyclohexyl peroxide (III). It is shown that the 825 cm^{-1} band is characteristic of the vibrations of the O-O group in peroxides of cyclohexanone. It is shown that the C-O-O-H group forms in II and in III a firm intramolecular hydrogen bond with oxygen of the peroxide group. The C-O-H group of in dilute solutions of I and II also form an intramolecular hydrogen bond, which is replaced in concentrated solutions by a stronger intermolecular hydrogen bond. [Translation of abstract]

SUB CODE: 20,07

Card 1/1

TERENT'YEV V.D.

AID P - 4804

Subject : USSR/Engineering

Card 1/2 Pub. 110-a - 7/17

Authors : Gurvich, A. M., Prof., Dr. Tech. Sci., V. V. Mitor, Kand. Tech. Sci., V. D. Terent'yev, Kand. Tech. Sci.

Title : Radiation of a luminous flame

Periodical : Teploenergetika, 7, 35-39, Jl 1956

Abstract : Experimental data on the radiation of luminous flames is analysed. Based on the analysis of W. Pepperhoff's and A. Bähr's data, a deduction is made that the coefficient of the radiation decrease in a flame containing relatively large particles of soot is determined by the temperature of the flame. The experimental study of the fuel oil flame conforms this deduction. Tables, diagrams. 10 references (4 Russian).

AID P - 4804

Teploenergetika, 7, 35-39, Jl 1956

Card 2/2 Pub. 110-a - 7/17

Institution : Central Institute for Boilers and Turbines

Submitted : No date

IVANOVA, V.S.; GORODIYENKO, L.K.; GEMILOV, V.N.; ZUBAREV, P.V.; FRIDMAN, Z.G.; LIBEROV, Yu.P.; TERENT'YEV, V.F.; VOROB'YEV, N.A.; KUDRYASHOV, V.G.; BERLIN, Ye.N., red.

[Role of dislocations in the hardening and the failure of metals] Rol' dislokatsii v uprochnenii i razrushenii metallov. Moskva, Nauka, 1965. 179 p. (MIRA 18:10)

1. Moscow. Institut metallurgii. 2. Laboratoriya prochnosti Instituta metallurgii im. A.A.Baykova, Moskva (for all except Berlin).

IVANOVA, V.S., doktor tekhn.nauk; TERENT'YEV, V.P., inzh.

Effect of plastic deformation and following aging on the cyclic strength of steel. Vest.mashinostr. 45 no.10:59-62 O '65. (MIRA 18:11)